

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) An electrophoresis method characterized by using water as a solution for preparing a sample, and subjecting a protein to electrophoresis for size separation without a heat-denaturing treatment.

2. (Original) The electrophoresis method according to claim 1, characterized in that a protein dissolved in water is subjected to electrophoresis.

3. (Original) The electrophoresis method according to claim 1 or 2, characterized in that two or more molecular weight markers are subjected to electrophoresis together with a protein, wherein at least one of the markers is adjusted to a low concentration as compared to a standard concentration.

4. (Currently Amended) The electrophoresis method according to ~~any one of claims 1 to 3~~ claim 1, characterized in that two or more molecular weight markers are subjected to electrophoresis together with a protein, wherein one of the markers is adjusted to a concentration of 1/10 to 10 times the concentration of a protein to be tested.

5. (Currently Amended) The electrophoresis method according to ~~any one of claims 1 to 4~~ claim 1, wherein a type of electrophoresis is selected from the group consisting of capillary electrophoresis method, microchip electrophoresis

method and nano-channel electrophoresis method.